

HF-2

Hi Band Flanger
INSTRUCTIONS

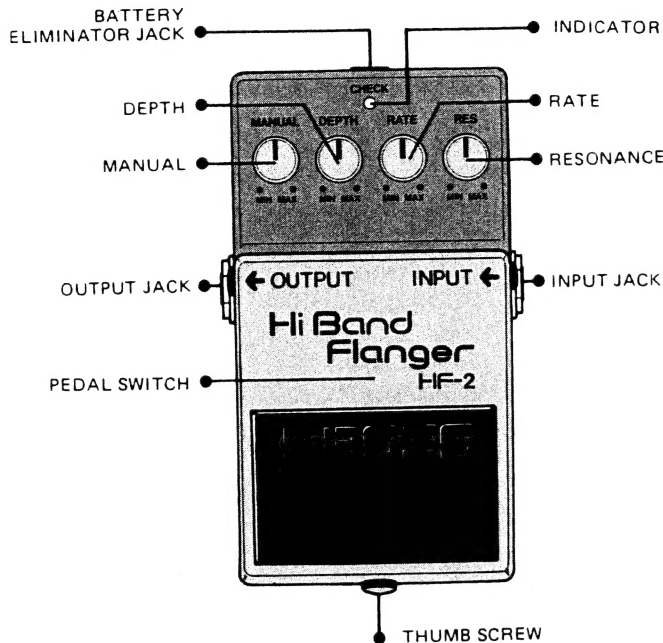
The HF-2 is not just another flanging box as its circuitry has been tailored to yield flanging effect at one oct up than in conventional flangers. The new circuitry sounds more clearly and briskly. Additionally, HF-2 can enrich the versatile flanging effect by selecting among the combinations of four control amounts — MANUAL, DEPTH, RATE, and RESONANCE as it finds application in various genres.

A built-in electronic switch (FET) eliminates clicks in effect on or off switching.



- Please read these instructions carefully for proper operation of the BOSS.

NAMES AND FUNCTIONS



MANUAL

Controls sound delay time. Turn clockwise to shorten and counterclockwise to lengthen.

DEPTH

Controls sweep range according to delay time. Turn clockwise to widen and counterclockwise to narrow.

RATE

Controls sweep frequency. Turn clockwise to increase and counterclockwise to decrease.

RESONANCE

Controls feedback amount. Turn clockwise to intensify flanging effect and counterclockwise to decrease.

INPUT JACK

The unit is powered-on by plug-in to the input jack. Keep the plug out from the jack when not in use.

OUTPUT JACK

The HF-2's low impedance output to the amplifiers is offered to ensure low noise and hum.

AC ADAPTOR JACK

The BOSS AC Adaptor is connected to this jack when battery operation is not necessarily the most desirable situation.

INDICATOR

Tells you whether the effect is on or off. This indicator also allows you to check the battery. When the time comes to replace the battery, the indicator fails to light or becomes dimmer.

PEDAL SWITCH

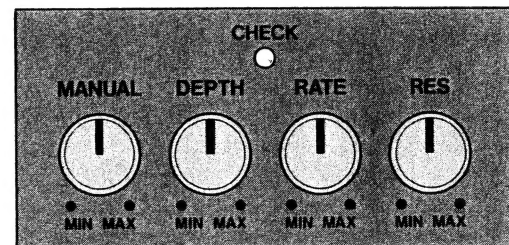
In our unique FET switching system there are no mechanical contacts in the signal path so it won't make an audible click, and it can't make a pop. The switching is totally electronically, keeping sound cleanly.

THUMB SCREW

Finger — loosen this screw and the battery is accessible for replacement.

* Do not remove off the screw from the unit.

OPERATING THE HF-2



After connecting all required cords, set all knobs on the panel as illustrated.

Depress the pedal switch. Check that lamp lights to indicate "EFFECT ON" and extinguishes to indicate "EFFECT OFF".

* This check lamp is also used to check battery. If lamp fails to light or becomes dim, the battery must be replaced.

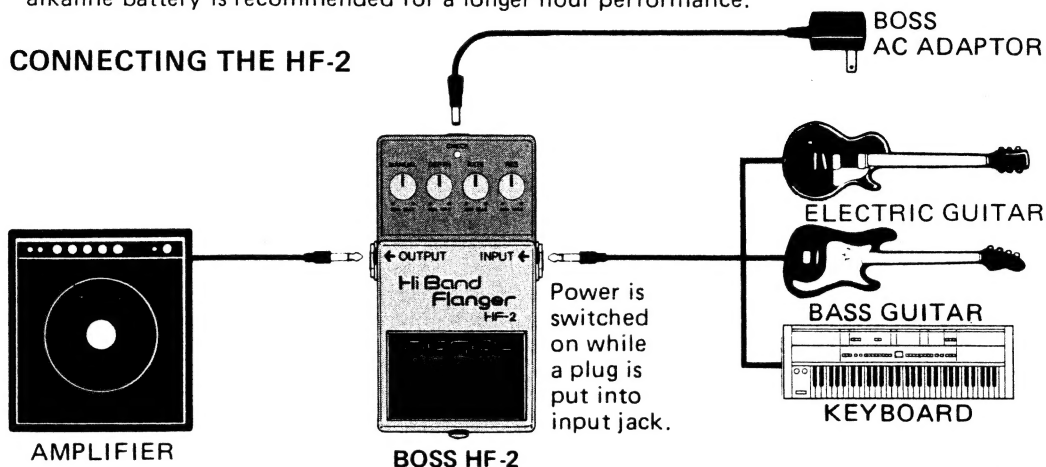
Set four control Knobs for desired effect.

* When depth control is rotated fully clockwise, the manual control becomes inoperative.

BEFORE USING THE HF-2

- When operating the HF-2 from the AC line, use the BOSS AC Adaptor.
- Avoid using the HF-2 in very dusty locations or under high temperature or humidity conditions.
- The battery (one Dry Battery, 9V) will last for 5 to 20 hours (manganese) or 15 to 40 hours (alkaline), depending on operation cycle. The use of a BOSS ACA-Adaptor and alkaline battery is recommended for a longer hour performance.

CONNECTING THE HF-2



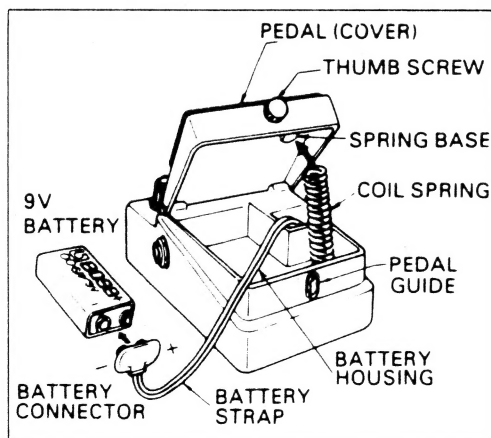
Be sure to take off plug from input jack — when the unit is not in use.

BATTERY REPLACEMENT AND PRECAUTIONS

BATTERY REPLACEMENT USE 9V BATTERY

- Loosen thumb screw and open the Pedal.
- Take out the battery from the Battery Housing and pull up the Battery Strap.
- Replace with a new battery.
- Put the Coil Spring to the Spring Base and close the Pedal.
- Firmly tighten the screw.

* Make sure that the Battery Strap is not pinched in the Pedal or Coil Spring.



Bescheinigung des Herstellers /Importeurs

Hiermit wird bescheinigt, daß der/die/das

Hi Band FLANGER HF-2

(Gerat Typ Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

Amtsbl. Vfg 1046 / 1984

(Amtsblattverfügung)

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

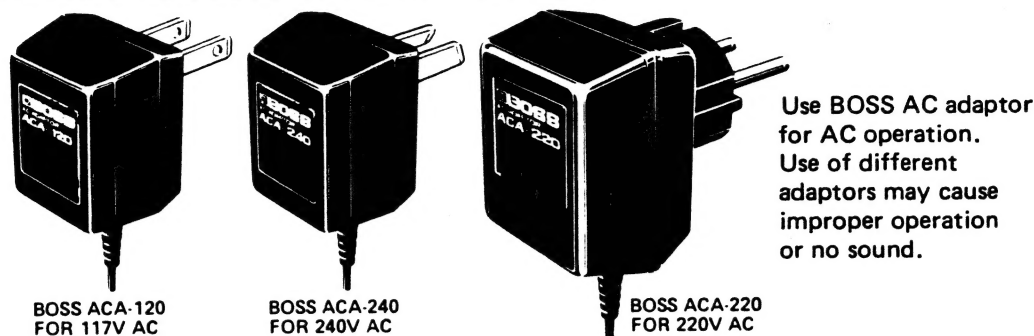
Roland Corporation Osaka / Japan

Name des Herstellers-Importeurs

CAUTIONS

- When you plan not to use the HF-2 for a long period, remove the battery to prevent current leakage and leaking of battery acid.
- If battery voltage drops, effect becomes inferior or no sound is produced. To prevent this, replace the battery a little earlier.
- Be sure to keep the battery in the housing even when using the AC adaptor.
- * Even if AC Adaptor cord comes out during performance, HF-2 is immediately powered by the battery; no problem occurs in continuous performance.
- Power is switched on when the input jack is plugged. Disconnect the input when the unit is not used.

AC ADAPTOR BOSS ACA SERIES (OPTION)



RADIO AND TELEVISION INTERFERENCE

Warning – This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception.

The equipment described in this manual generates and uses radio-frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such a interference in a residential installation. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

- Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable.

These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper shielded cable from your dealer. For non Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures:

- Turn the TV or radio antenna until the interference stops.
- Move the equipment to one side or the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead-in between the antenna and TV.

If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio-TV Interference Problems"

This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

SPECIFICATIONS

Power Source	9V Battery, AC Adaptor (PSA-120, 220 or 240)
Current Draw	18mA Max. at 9V
Controls	Manual, Depth, Rate, Resonance
Others	Normal/Effect Changeover Switch, Effect Indicator (also for Battery life)
Jacks	Input, Output, AC Adaptor
Delay Time	0.5ms — 6.5ms
LFO Speed	100ms — 16s
Residual Noise	—95dBm (IHF-A)
Input Impedance	470k Ω
Output Load Impedance	Over 10k Ω
Dimensions	70(W) x 55(H) x 125(D)mm [2¼"(W) x 2¼"(H) x 5"(D)]
Weight	400g (14 oz.)

* Specifications are subject to change without notice.



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 **BOSS**